

Backport187 - Backport #6438

Ruby Queue in thread before fork causes segfault on GC

05/16/2012 05:36 AM - slyphon (Jonathan Simms)

Status:	Closed
Priority:	Normal
Assignee:	
Description	
<p>After many hours of debugging (with immeasurable help from Eric Lindvall), I've come across a pretty nasty bug in MRI 1.8.7 that affects p249-p358 on linux and OSX.</p> <p>Eric came up with this reproduction:</p> <pre>require 'thread' 50.times { Thread.new { Queue.new.pop } } Process.waitpid fork { GC.start; puts "In child: #{\$\$}" }</pre> <p>produces the output:</p> <pre>/tmp/fork-crash.rb:3: [BUG] Segmentation fault ruby 1.8.7 (2012-02-08 patchlevel 358) [i686-darwin11.3.0]</pre> <p>More specifically, this seems to be a problem with a Thread waiting on a ConditionVariable when you fork</p> <pre>require 'thread' 50.times { Thread.new { m = Mutex.new; c = ConditionVariable.new; m.synchronize { c.wait(m) } } } Process.waitpid fork { GC.start; puts "In child: #{\$\$}" }</pre> <p>produces the output:</p> <pre>/tmp/mutex-crash.rb:3: [BUG] Segmentation fault ruby 1.8.7 (2012-02-08 patchlevel 358) [i686-darwin11.3.0]</pre>	

History

#1 - 07/15/2019 02:37 PM - jeremyevans0 (Jeremy Evans)

- *ruby -v deleted (ruby 1.8.7 (2012-02-08 patchlevel 358) [i686-darwin11.3.0])*
- *Target version deleted (Ruby 1.8.7)*
- *Status changed from Open to Closed*
- *Project changed from Ruby 1.8 to Backport187*
- *Tracker changed from Bug to Backport*